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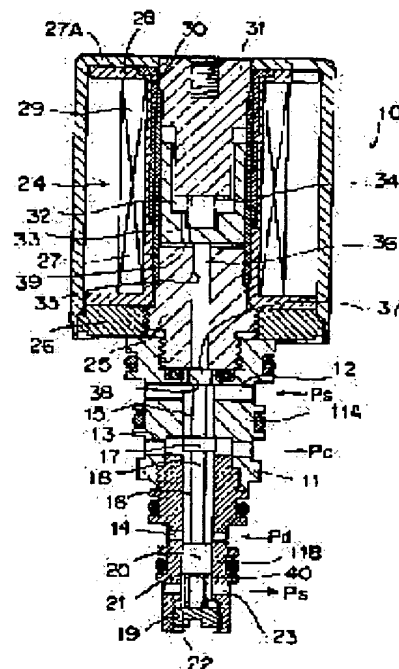
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## (54) CONTROL VALVE FOR VARIABLE CAPACITY TYPE COMPRESSOR

## (57)Abstract:

**PROBLEM TO BE SOLVED:** To provide a control valve for variable capacity type compressor having the excellent durability in the duty control and capable of taking a pressure balance in spite of a rise of the discharge pressure without enlarging size of an electromagnetic coil.

**SOLUTION:** In this control valve for variable capacity type compressor, the crank chamber pressure  $P_c$  of a variable capacity type compressor is controlled in response to the open degree of a valve element 17 to be driven for opening and closing by an electromagnetic coil device 24 so as to control the capacity of the variable capacity type compressor, and a plunger chamber 34 having a plunger 33 is provided inside of the electromagnetic coil device 24, and the suction pressure  $P_s$  of the variable capacity type compressor is led into the plunger chamber 34. This control valve for variable capacity type compressor has a valve rod 18 integrally formed with the valve element 17 so that the suction pressure  $P_s$  of the variable capacity type compressor is applied to both ends thereof and that other pressure in the axial direction is not applied to the intermediate part thereof. An upper stopper 37 and a lower stopper 20 for regulating the quantity of the axial movement of the valve rod 18 are provided on both ends of the valve rod 18.



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